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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Carlsson	)	
	)	
Serial No.: 09/679360	)	
	)	Patent Pending
Filed: 10/5/2000	)	
	)	Group Art Unit: 2662
For: Systems and Methods for Providing GPS	)	
Time and Assistance in a Communications	)	
Network	)	
	)	
Attorney's Docket No: 4015-5111	)	

Commissioner for Patents  
Washington, D.C. 20231

**REVOCATION AND POWER OF ATTORNEY  
WITH STATEMENT UNDER 27 CFR 3.73 (b)  
AND CHANGE OF CORRESPONDENCE ADDRESS**

Sir:

Ericsson Inc., a corporation, certifies that it is the assignee of the entire right, title and interest in and to the above-entitled U.S. patent application, and the invention disclosed therein, by virtue of the assignment from the inventor(s) to Ericsson Inc. recorded in the Patent and Trademark Office at Reel/Frame 011161/0165. A copy of the assignment is attached hereto.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, Ericsson Inc. is the assignee of the entire right, title and interest in the U.S. patent application identified.

Ericsson Inc. hereby revokes all previous Powers of Attorney and appoints as my attorneys and/or agents with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office, and in countries other than the United States, and to do all things necessary or appropriate therefore before any competent International Authorities in connection with any international patent application(s) corresponding to the above-identified application, all of

the registered practitioners of the law firm of Coats & Bennett, P.L.L.C. identified by  
Customer Number 24112:

24112

and the following Ericsson Inc. attorneys and/or agents: Stephen A. Calogero, Reg. No.  
41,491; Mark C. Terrano, Reg. No. 40,200; Jon Han, Reg. No. 41,403; Sidney  
Weatherford, Reg. No. 45,602; and Roger Burleigh, Reg. No. 40,542.

Please address all future correspondence to

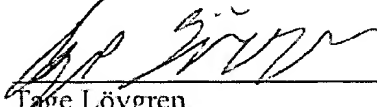
David E. Bennett  
Coats & Bennett, P.L.L.C.  
1400 Crescent Green, Suite 300  
Cary, North Carolina 27511

Please direct all telephone calls about this application and the resulting patent to:

David E. Bennett  
Telephone: (919) 854-1844

The undersigned is empowered to sign this statement on behalf of the assignee.

March 07, 2005  
Date

  
Tage Lövgren  
Director  
Licensing and Patent Development

7001 Development Drive,  
P.O. Box 13969, Research Triangle Park,  
N.C. 27709, USA



**CERTIFICATE OF MAILING**

I HEREBY CERTIFY THAT THIS DOCUMENT IS BEING DEPOSITED WITH THE UNITED STATE POSTAL SERVICE, ON THE DATE INDICATED, AS FIRST CLASS MAIL, POSTAGE PREPAID, IN AN ENVELOPE ADDRESSED TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**

Signature: \_\_\_\_\_

Name: ALFONSO G. SANDOVAL

Date: 3/21/2005



*Assign. Rd.*  
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HARRITY & SNYDER, LLP  
JOHN E. HARRITY  
3900 N. FAIRFAX DRIVE  
SUITE 300  
ARLINGTON, VA 22203

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/05/2000

REEL/FRAME: 011161/0165  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CARLSSON, HANS

DOC DATE: 10/03/2000

ASSIGNOR:  
KOORAPATY, HAVISH

DOC DATE: 10/03/2000

ASSIGNEE:  
ERICSSON INC.  
RESEARCH TRIANGLE PARK  
NORTH  
CAROLINA  
27709

SERIAL NUMBER: 09679360  
PATENT NUMBER:

FILING DATE: 10/05/2000  
ISSUE DATE:

011161/0165 PAGE 2

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

10-18-2000

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101492984

Attorney's Docket No. P12519-US1-BMOA

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof.

## 1. Name of conveying party(ies):

Hans CARLSSON and Havish KOORAPATY

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Security Agreement☐ Merger☐ Change of Name

Other:

Execution Date: October 3, 2000

## 2. Name and address of receiving party(ies):

Name: Ericsson Inc.

Address: Research Triangle Park  
North Carolina, 27709

Additional name(s) &amp; address(es) attached?

☐ Yes☒ No

## 4. Application number(s) or patent number(s):

09 679360

If this document is being filed together with a new application, the execution date of the application is: October 3, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence should be mailed:

Name: John E. Harrity

Address: HARRITY & SNYDER, L.L.P.  
3900 N. Fairfax Drive  
Suite 300  
Arlington, Virginia 22203

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed☐ Authorization to be charged to deposit account, if necessary.

## 8. Deposit account number:

50-1070

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document*John E. HarrityReg. No. 43,367

Signature

October 5, 2000

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

JOINT INVENTION  
(Worldwide Rights)

**ASSIGNMENT**

WHEREAS, WE, the below named inventors (hereinafter referred to as Assignors), have made an invention entitled:

**SYSTEMS AND METHODS FOR PROVIDING GPS TIME AND  
ASSISTANCE IN A COMMUNICATIONS NETWORK**

for which we filed an application for patent concurrently herewith; and

WHEREAS, Ericsson Inc., a corporation of Delaware, having registered offices in Research Triangle Park, North Carolina, 27709, hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood

that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, WE have hereunto set our hand.

Hans Carlsson  
822 Grande Heights Drive  
Cary, North Carolina 27513


Havish Koorapaty  
102 Horsepond Court  
Cary, North Carolina 27513

Signature: 

Signature: 

Date: October 3, 2000

Date: October 3, 2000

 - October 3, 2000  
Notary Public - Wake County, N.C.  
My Commission expires: May 22, 2001